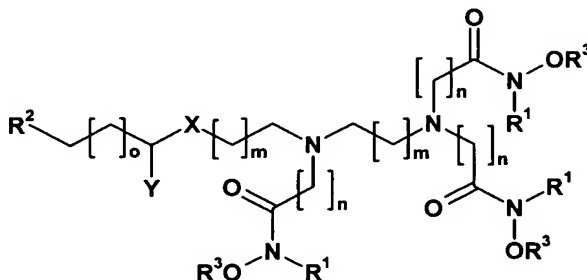


This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A compound having the formula:



where:

n, m and o are, independently, an integer from 1 to about 4;

X is CH₂, ~~nitrogen~~-(N(R⁴)), oxygen or sulfur;

Y is hydrogen, hydroxyl, =O (~~carbonyl~~), N(R⁴)(R⁵), or =S;

R¹ is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

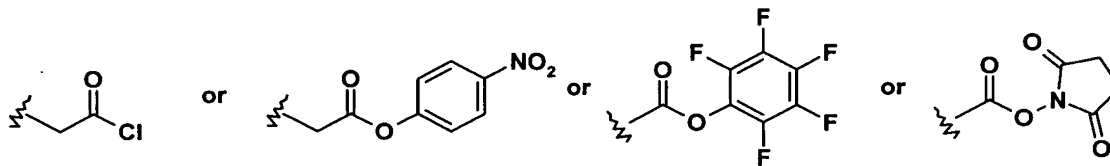
R² is ~~an active group such as~~ an activated ester, a carboxylic acid, an alkyl isothiocyanate, an aromatic isothiocyanate or a leaving group;

R³ is hydrogen or a protective group;

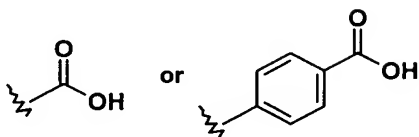
R⁴ is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group; and

R⁵ is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

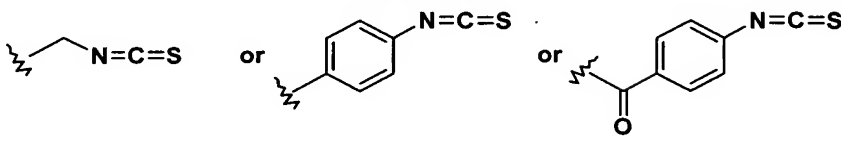
2. (Currently Amended) The compound of claim 1 wherein the activated ester is:



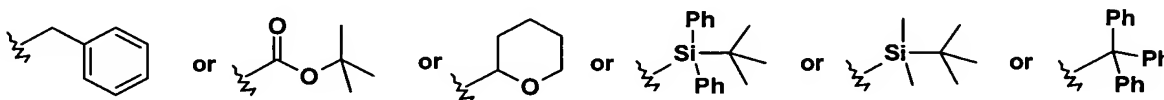
3. (Currently Amended) The compound of claim 1 wherein the carboxylic acid group is:



4. (Currently Amended) The compound of claim 1 wherein the isothiocyanato group is:



5. (Currently Amended) The compound of claim 1 wherein R^3 is hydrogen or a protective group that is:



6. (Original) The compound of claim 1 wherein the protective group is tert-butoxycarbonyl or benzyloxycarbonyl.

7. (Original) The compound of claim 1 wherein n is equal to 1 or 2 and m is equal to 1 or 2.

8. (Currently Amended) The compound of claim 1 wherein:

n or m or o is 1 or 2;

X is ~~nitrogen~~-(N(R^4)) or oxygen;

Y is hydrogen or =O (~~carbonyl~~);

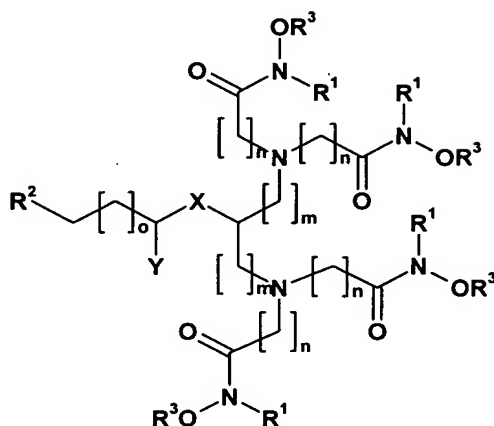
R^1 is hydrogen or methyl;

R^2 is ~~an activated ester such as~~ *p*-nitrophenyl ester;

R^3 is hydrogen or tert-butyl diphenylsilyl; and

R^4 is methyl, ethyl, propyl or butyl.

9. (Currently Amended) A compound having the formula:



where:

n , m and o are, independently, an integer from 1 to about 4;

X is CH_2 , ~~nitrogen~~ $(N(R^4))$, oxygen or sulfur;

Y is hydrogen, $-OH$ (~~hydroxyl~~), $=O$ (~~carbonyl~~), $N(R^4)(R^5)$, or $=S$;

R^1 is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

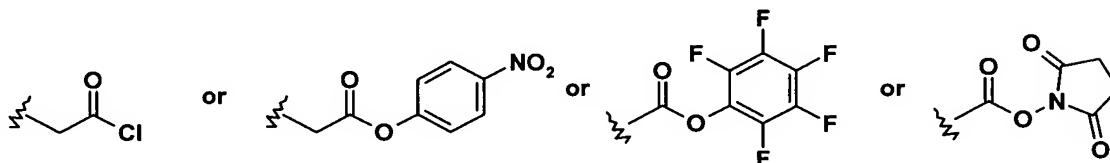
R^2 is ~~an active group such as~~ an activated ester, a carboxylic acid, an alkyl isothiocyanate, an aromatic isothiocyanate or a leaving group;

R^3 is hydrogen or a protective group;

R^4 is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group; and

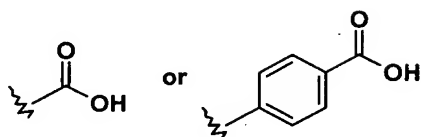
R^5 is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;.

10. (Currently Amended) The compound of claim 9 wherein the activated ester is:

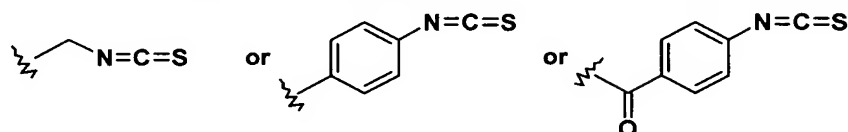


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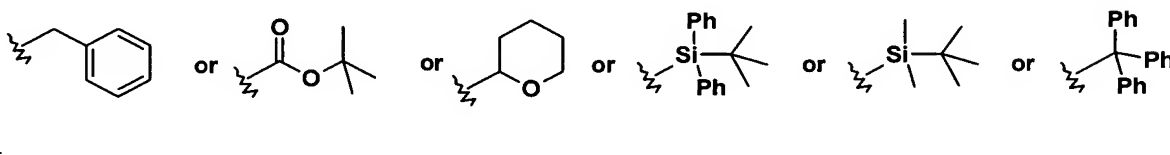
11. (Currently Amended) The compound of claim 9 wherein the carboxylic acid group is:



12. (Currently Amended) The compound of claim 9 wherein the isothiocyanato group is:



13. (Currently Amended) The compound of claim 9 wherein R^3 is hydrogen or a protective group which is:

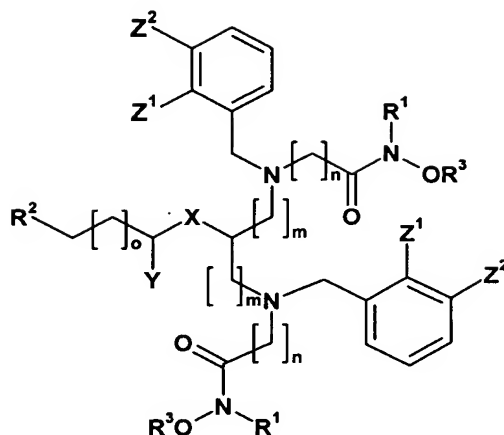


14. (Original) The compound of claim 9, wherein the protecting group is tert-butoxycarbonyl or benzyloxycarbonyl.

15. (Currently Amended) The compound of claim 9 wherein:

- n or m or o is 1 or 2;
- X is ~~nitrogen~~-($N(R^4)$) or oxygen;
- Y is hydrogen ~~or~~ $=O$ (carbonyl);
- R^1 is hydrogen or methyl;
- R^2 is ~~an active ester such as~~ *p*-nitrophenyl ester;
- R^3 is hydrogen or tert-butyldiphenylsilyl; and
- R^4 is methyl, ethyl, propyl or butyl;

16. (Currently Amended) A compound having the formula:



where n, m and o are, independently, an integer from 1 to about 4;

X is CH₂, ~~nitrogen~~-(N(R⁴)), oxygen or sulfur;

Y is hydrogen, -OH (~~hydroxyl~~), =O (~~carbonyl~~), N(R⁴)(R⁵), or =S;

R¹ is hydrogen, alkyl having 1 to 4 carbon atoms, or a protective group;

R² is ~~an active group such as~~ an activated ester, a carboxylic acid, or a leaving group;

R³ is hydrogen or a protective group;

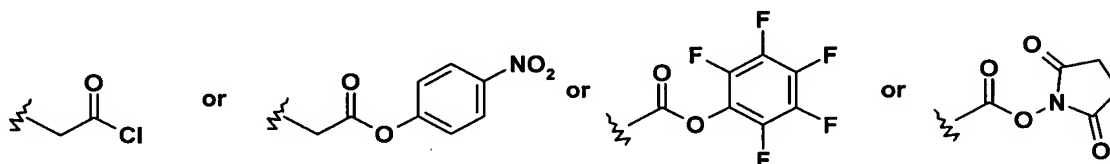
R⁴ is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

R⁵ is hydrogen, alkyl having 1 to 5 carbon atoms, or a protective group;

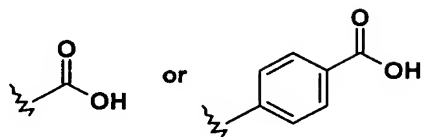
Z¹ is hydrogen, ~~nitrogen, oxygen, or sulfur~~ N(R⁴)(R⁵), -OH, =O, or =S; and

Z² is hydrogen, ~~nitrogen, oxygen, or sulfur~~ N(R⁴)(R⁵), -OH, =O, or =S.

17. (Currently Amended) The compound of claim 16 wherein the activated ester is ~~selected from the group comprising:~~

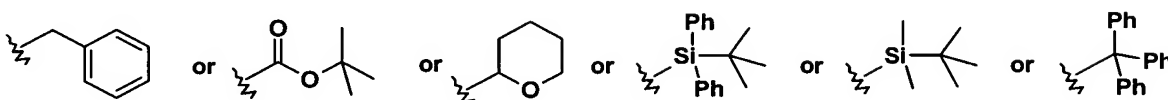


18. (Currently Amended) The compound of claim 16 wherein the carboxylic acid group is:

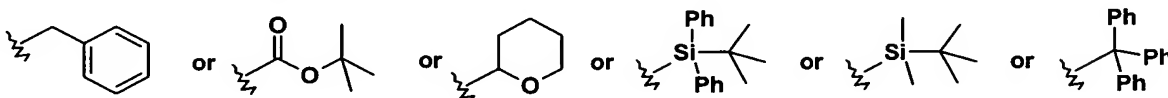


19. (Canceled)

20. (Currently Amended) The compound of claim 16 wherein R^3 is hydrogen or a suitable protective group which is:



21. (Currently Amended) The compound of claim 16 wherein the protective group is tert-butoxycarbonyl or benzyloxycarbonyl: or



22. (Currently Amended) The compound of claim 16 wherein:

n or m or o is 1 or 2;

X is ~~nitrogen~~-($N(R^4)$) or oxygen;

Y is hydrogen or =O (~~carbonyl~~);

R^1 is hydrogen or methyl;

R^2 is ~~an activated ester~~ such as *p*-nitrophenyl ester;

R^3 is hydrogen or tert-butyldiphenylsilyl;

R^4 is methyl, ethyl, propyl or butyl;

Z^1 is ~~oxygen (phenol)~~ -OH; and

Z^2 is hydrogen or ~~oxygen (phenol)~~; -OH.

23. (Original) A pharmaceutical composition comprising a compound according to claim 1 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

24. (Original) A pharmaceutical composition comprising a compound according to claim 9 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

25. (Original) A pharmaceutical composition comprising a compound according to claim 16 in free or in pharmaceutically acceptable salt form and one or more pharmaceutically acceptable carriers or diluents.

26. (Original) A method comprising administering to an animal a compound of claim 1 complexed with a radionuclide.

27. (Original) The method of claim 26 further comprising detecting said radionuclide in said animal.

28. (Original) A method comprising administering to an animal a compound of claim 9 complexed with a radionuclide.

29. (Original) A method comprising administering to an animal a compound of claim 16 complexed with a radionuclide.

30. (Canceled)

31. (Currently Amended) The method of claim ~~30~~ 34 further comprising the step of detecting said radionuclide in said animal.

32. (Canceled)

33. (Canceled)

34. (New) A method comprising administering to an animal in need thereof a compound according to claim 1 complexed with a radionuclide.

35. (New) A method comprising administering to an animal in need thereof a compound according to claim 9 complexed with a radionuclide.

36. (New) A method comprising administering to an animal in need thereof a compound according to claim 16 complexed with a radionuclide.